

Message Text

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SUBJECT: R/V ONAR CLEARANCE REQUESTS, CY 1978

1. R/V ONAR, A PRIVATE VESSEL OPERATED BY THE UNIVERSITY OF WASHINGTON, PRESENTLY HAS PLANS TO CONDUCT FIVE RE-SEARCH CRUISES IN CANADIAN TERRITORIAL WATERS DURING 1978. SUMMARIES OF ALL THE CRUISES ARE PROVIDED BELOW AND SOME OF THE CRUISES WILL BE CONDUCTED IN MORE THAN ONE TIME PERIOD AS NOTED.

2.(A). THE FIRST PROJECT WILL BE CONDUCTED BY DR. S. I. AHMED IN THE REGIONS OF SAANICH INLET, B.C. DURING THE PERIODS 12-16 JUNE, 5-10 SEPT. AND 9-13 OCT. AND IN LAKE NITINAT DURING 5-13 JULY. IF A PILOT CANNOT BE OBTAINED TO CONDUCT THE RESEARCH IN LAKE NITINAT, DR. AHMED WOULD LIKE THE OPTION OF WORKING IN SAANICH INLET. THE PURPOSE OF THE PROJECT IS TO INVESTIGATE MICROBIAL SULFATE REDUC-TION IN ANOXIC WATER AND SEDIMENTS. EQUIPMENT TO BE USED
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INCLUDES STANDARD HYDROGRAPHIC EQUIPMENT AND A GRAVITY CORER.

(B) DR. A. H. DEVOL WILL LEAD THE SECOND PROJECT IN SAANICH INLET AND NARROWS INLET, B.C., DURING THE PERIOD 25-30 JUNE. THE PURPOSE OF THE RESEARCH IS TO STUDY

WATER COLUMN AND SEDIMENT CHEMICAL PROPERTIES TO DETERMINE THE RELATIVE IMPORTANCE OF EACH IN THE OVERALL OXIDATION OF ORGANIC MATTER. EQUIPMENT WILL CONSIST OF WATER SAMPLES AND CORERS.

(C) THE THIRD PROJECT WILL BE LED BY DR. J. D. SMITH IN KNIGHT INLET, B.C. DURING 18 JUL - 2 AUG AND 6-19 NOV. TURBULENT MIXING IN HIGHLY STRATIFIED ESTUARIES WILL BE STUDIED JOINTLY WITH A CANADIAN RESEARCH VESSEL. BOTH WILL EMPLOY DENSITY AND VELOCITY PROFILING SYSTEMS TO ACQUIRE DATA ON INTERNAL HYDRAULIC PROCESSES AND TURBULENT MIXING ASSOCIATED WITH FLOW OVER THE SILL NEAR HOYEA HEAD. EQUIPMENT INCLUDES A VELOCITY AND DENSITY PROFILING FISH, CURRENT METERS, CONDUCTIVITY AND TEMPERATURE SENSORS AND AN ECHO-SOUNDER.

(D) DR. ROY CARPENTER WILL COLLECT PHYTOPLANKTON AND ZOOPLANKTON SAMPLES, SEDIMENTS, AND WATER SAMPLES FOR HYDROCARBON ANALYSES DURING THE PERIOD 11-25 SEPT IN SAANICH INLET. EQUIPMENT WILL CONSIST OF CORING EQUIPMENT, BELL JARS, HYDROCASTS, AND COLLECTING NETS.

(E) THE LAST PROJECT WILL BE CONDUCTED BY JAMES W. MURRAY IN SAANICH INLET DURING 20-22 JUNE. THE PURPOSE IS TO OBTAIN INTERSTITIAL WATER SAMPLES FOR THE STUDY OF DISSOLVED GASES, NUTRIENTS, AND CATIONS. AN IN SITU UNCLASSIFIED

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INTERSTITIAL WATER SAMPLER AND A BOX CORER WILL BE USED.

3. R/V ONAR IS 74 GROSS TONS, 65 FT. LONG AND HAS AN 8 FT. DRAFT. SHIP'S CAPTAIN IS C. SHORT WITH A CREW OF 2 AND SCIENTIFIC PARTY OF 4-6. RADIO CALL SIGN IS WO 8905 AND SHIP MONITORS 2182 KHZ. ALL DATA RESULTS WILL BE SHARED WITH GOC AND PARTICIPATION CAN BE ARRANGED FOR MOST OF THE PROJECTS IF GOC EXPRESSES INTEREST. STATION LOCATION CHARTS ARE BEING POUCHED FOR ALL OF THE ABOVE PROJECTS. PORT CALLS WILL BE ARRANGED BY SHIP'S AGENT.

4. EMBASSY IS REQUESTED TO SEEK CLEARANCE FOR R/V ONAR TO CONDUCT MARINE SCIENTIFIC RESEARCH IN CANADIAN TERRITORIAL WATERS FOR THE TIME PERIODS GIVEN ABOVE. IF MODIFICATIONS OF SCHEDULE OCCUR EMBASSY WILL BE NOTIFIED ASAP. COOPER

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